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AUG 1 3 2007

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FAX COVER SHEET

FAX NUMBER TRANSMITTED TO: (571) 273-8300

To:

US Patent and Trademark Office

Art Unit:

1645

Examiner:

Devi, Sarvamangala, JN

Serial No.:

10/691,384

Inventor(s):

Stephen P. Oliver et al

Title:

STREPTOCOCCUS UBERIS ADHESION MOLECULE

Filed:

October 22, 2003

From:
Atty Docket No.:

Howard Eisenberg HME/7477.0017

Date:

August 13, 2007

DOCUMENTS	NUMBER OF PAGES*
Transmittal Form	One
Fee Transmittal Form	One
Fourth IDS	Two
Form PTO/SB/08B - Substitute for 1449/PTO	One
Reference C I - Park et al	Two
Reference C J - Wang et al	Two
Reference C K - Smoot et al	Seven
Credit Card Payment Form	One
Total Pages (not counting cover page)	Seventeen

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AUG 1 3 2007

Atty Doc. No. HME/7477,0017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION EXAMINING OPERATIONS

In re the Application of

Stephen P. Oliver, et al

Group Art Unit: 1645

Serial No. 10/691,384

Examiner: Devi, Sarvamangala

Filed: October 22, 2003

Date: August 13, 2007

For a Patent for

STREPTOCOCCUS UBERIS ADHESION

MOLECULE

FOURTH INFORMATION DISCLOSURE STATEMENT IN ACCORDANCE WITH 37 CFR §1.98

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Dear Sir:

Applicants submit herewith copies of patents and publications of which they are aware and which they desire to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(d), this Information Disclosure Statement is being submitted after the mailing date of a final Office Action and is accompanied by a statement as required in 37 CFR §1.97(d)(1) and the fee set forth in 37 CFR §1.17(p) as required in 37 CFR §1.97(d)(2).

Applicants, and the undersigned Attorney for Applicant, hereby state that each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

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In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or publication or combination of patents referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

A list of the patents and publications enclosed herewith is set forth on the attached 1 page of Information Disclosure Statement by Applicant.

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor and the information in his file.

Respectfully submitted,

Howard M. Eisenberg

Reg. No. 36,789

1220 Limberlost Lane

Gladwyne, PA 19035

Attorney for Applicants Tel: (484) 412-8419

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Dated: August 13, 2007

Howard M. Eisenberg

AUG 1 3 2007

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Examiner	Cite	NON PATENT LITERATURE DOCUMENTS Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of	
Initials*	No.	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	CI	PARK, HM et al, "Effect of Iron chelators on expression of Streptococcus uberis lactoferrin- binding proteins," DATABASE BIOSIS, Accession No. PREV200200233416 (2001)	
	CJ	WANG, L et al, "Prokaryotic essential gene #31978", XP-002438045, Database Geneseq, retrieved from EBI Accession No. GSN:ACA50321 (2003)	
	ск	SMOOT, JC et al, "Streptococcus pyogenes strain MGAS8232, section 21 of 173 *, XP-002438021, Database EMBL, retrieved from EBI Accession No. EMBL:AE009973, (2002)	
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